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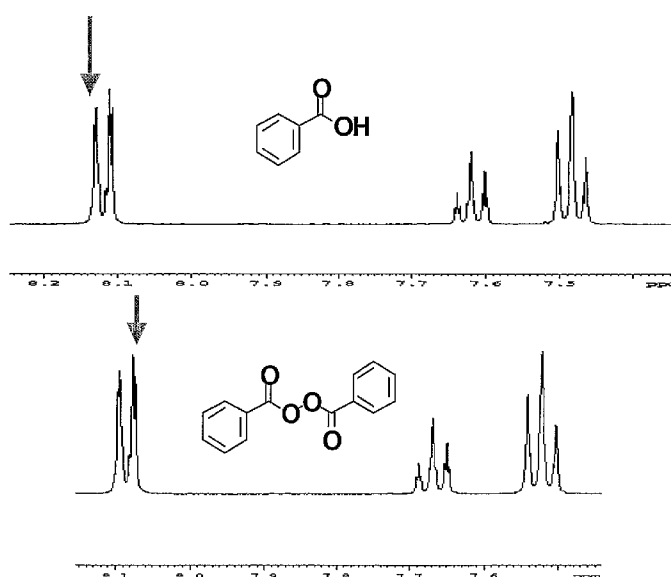
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(54) Title: SUPERABSORBENT POLYMERS COMPRISING DIRECT COVALENT BONDS BETWEEN POLYMER CHAIN SEGMENTS AND METHODS OF MAKING THEM

¹H NMR (300 MHz) spectra of BP and BA in CDCl₃



(57) Abstract: The present invention relates to superabsorbent polymer particles with improved cross-linking and their use in absorbent articles. Superabsorbent polymers of the invention comprise polymer chain segments, wherein at least a part of these polymer chain segments are cross-linked to each other through direct covalent bonds. Moreover, the invention relates to processes for making these superabsorbent polymer particles.



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